

### **ABSTRACT OF THE DISCLOSURE**

Fabric and fabric like synthetic plastic or agricultural derived products and sheet products of diverse thickness (ranging from high thickness rigid products to flexible films) are made as multi-component systems (e.g. a core-sheath fiber) with a carrier portion adapted to a first function (e.g. a high strength core) and a secondary portion (e.g. the sheath) carrying anti-microbial particles in an effective amount of high accessibility. An alternative is a blend of response fibers (e.g. (1) anti-microbial particles in a first plastic fiber blended with a second natural fiber and coated for bonding, (2) blends of diverse plastic fibers. The products can be fabrics of indefinite length or form of coherent products.